

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

13. (Currently amended) A method of identifying a compound that is transported by an OATP2 protein comprising the amino acid sequence of SEQ ID NO:2 for identifying a substrate which is capable of being transported by the OATP of claim 5, or a part of said OATP, said method comprising the steps of:

- (a) contacting an reacting said OATP2 protein which is located in a liver cell or a cell expressing an exogenous OATP2 protein, or part of said OATP, with said compound substrate which is potentially capable of being transported by the said OATP2 or part of said OATP, under conditions which permit the movement of said compound substrate across the cell a membrane; and
- (b) assaying for the movement of said compound substrate across the membrane, wherein the assaying comprises:
 - (i) lysing the cell to generate cell lysate; and
 - (ii) detecting the presence of compound in the lysate,
wherein the presence of the compound in the lysate indicates the compound is transported by OATP2.